

3. PRODUCT SPECIFICATION: PS-173162-0001
4. PACKAGING SPECIFICATION: PK-173307-0001
5. MATES WITH: MOLEX CABLE SERIES 100436
PER INDUSTRY STANDARD PCIe OCuLink OR SFF-8612
6. APPLICATION SPECIFICATION: AS-173162-0001
7. COSMETIC SPECIFICATION: PS-45499-002 CALASS B

STATUS	MATERIAL NUMBER	SHELL ATTACH OPTION	DIM 'T'
TOOLED	171982-0142	SMT	-
TOOLED	171982-1142	TH	3
TOOLED	171982-2142	TH	2.36
TOOLED	171982-3142	TH	1.57

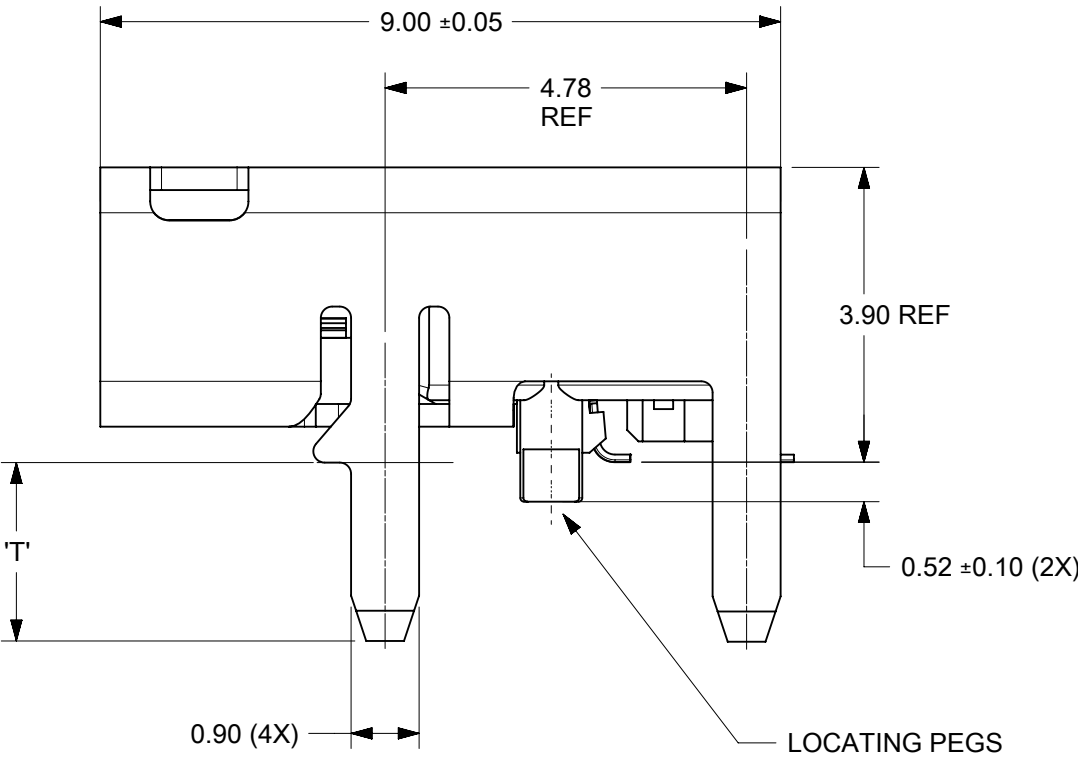
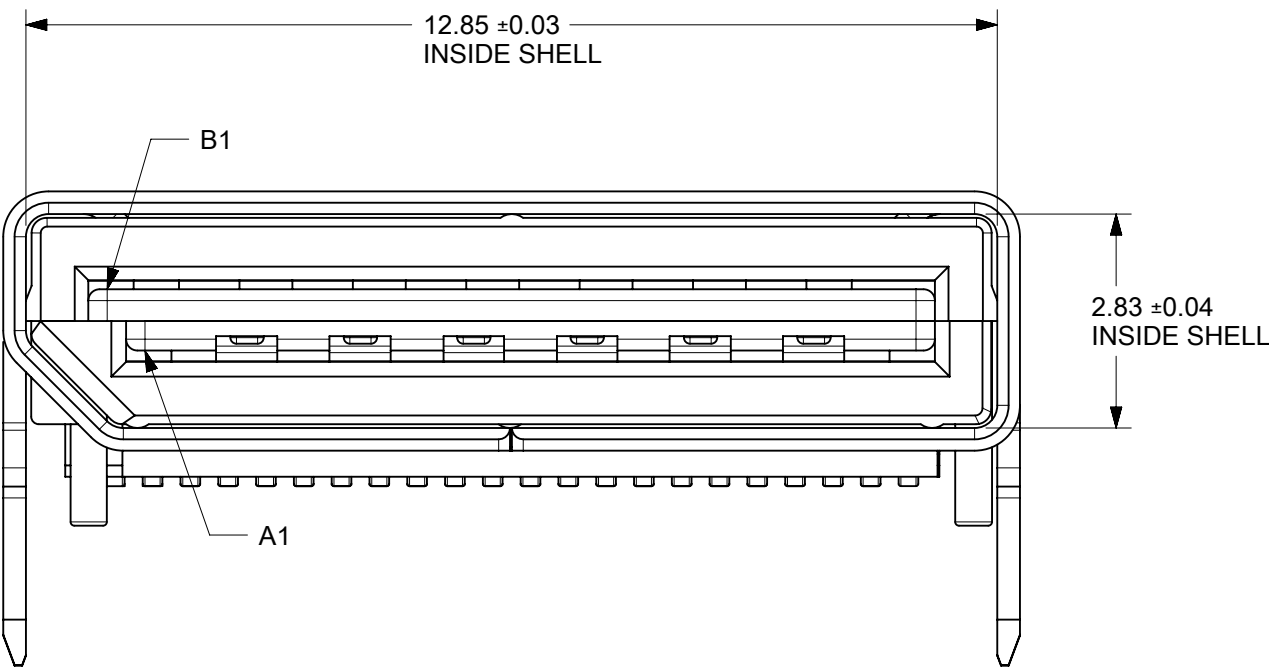
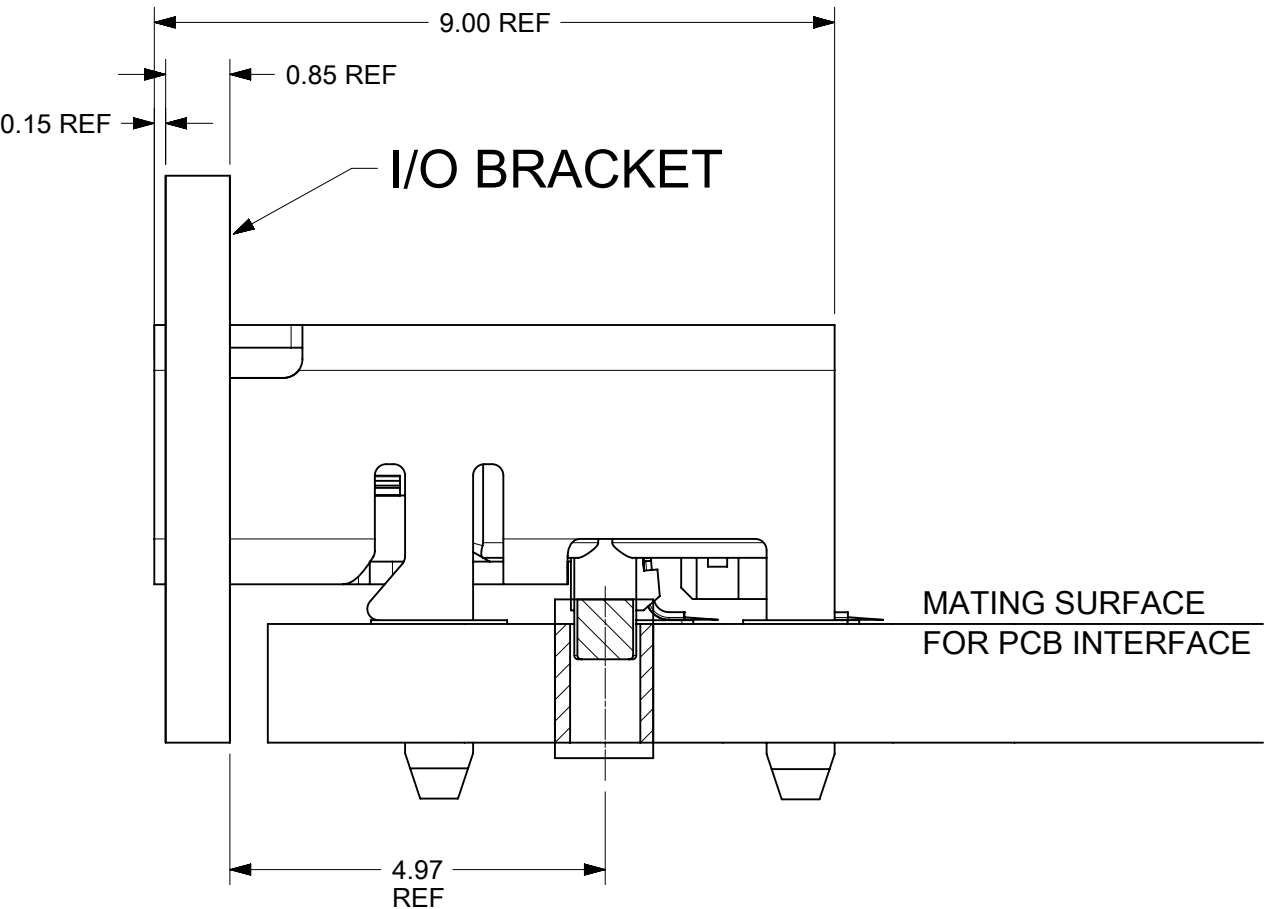
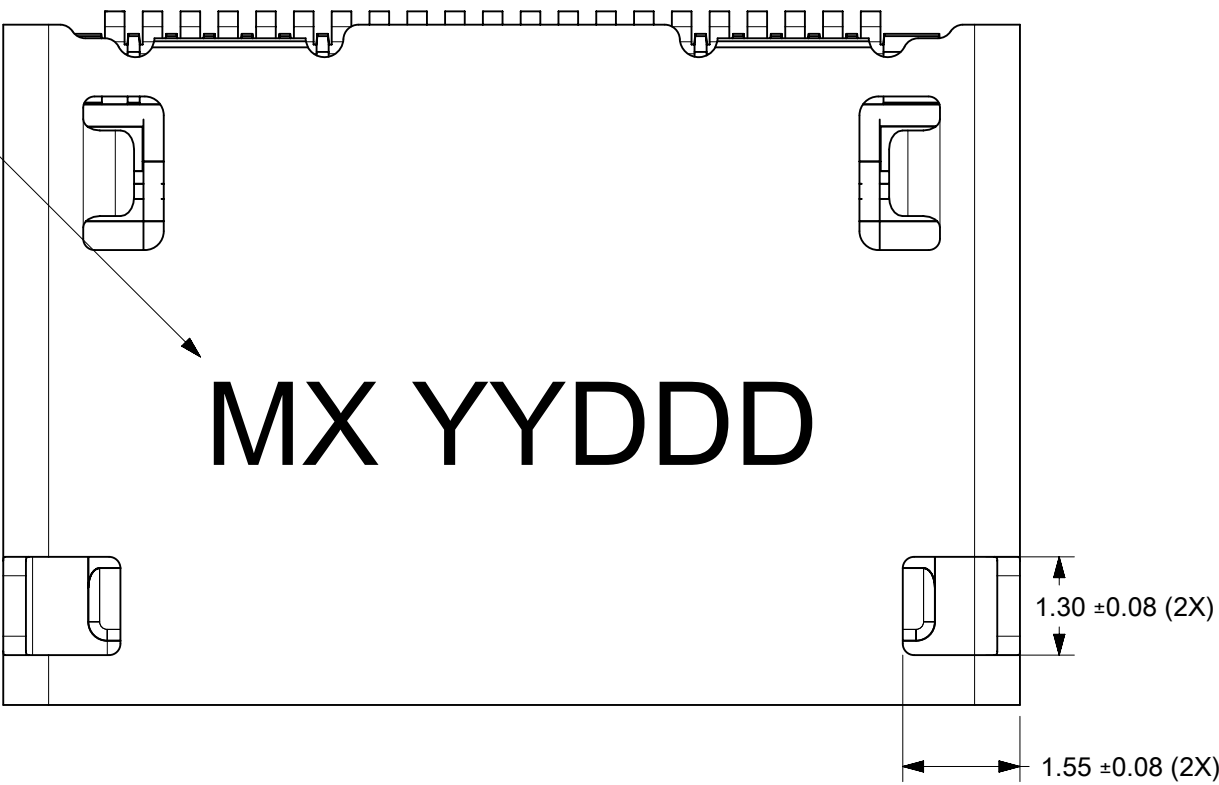
FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			
		DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex											
		mm		10:1																	
		GENERAL TOLERANCES (UNLESS SPECIFIED)																			
DIVISIONAL SYMBOLS		ANGULAR TOL ± 0.5 °				EC NO: 701025 DRWN: ABELD2 2022/03/25 CHK'D: JKACHLIC 2022/03/31 APPR: JKACHLIC 2022/03/31 INITIAL REVISION: DRWN: MJANTELEZIO 2015/10/21 APPR: MBANAKIS 2015/11/09				NANO-PITCH I/O RIGHT ANGLE 4X											
		4 PLACES		±																	
		3 PLACES		±																	
		2 PLACES		± 0.13																	
		1 PLACE		± 0.25																	
DIVISIONAL SYMBOLS		0 PLACES		±		PRODUCT CUSTOMER DRAWING															
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION						DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
										C-SIZE		171982		SD-171982-1000		PSD		001		J3	
										MATERIAL NUMBER		CUSTOMER				SHEET NUMBER					
												GENERAL MARKET				1 OF 6					

42 CIRCUIT TH ASSEMBLY

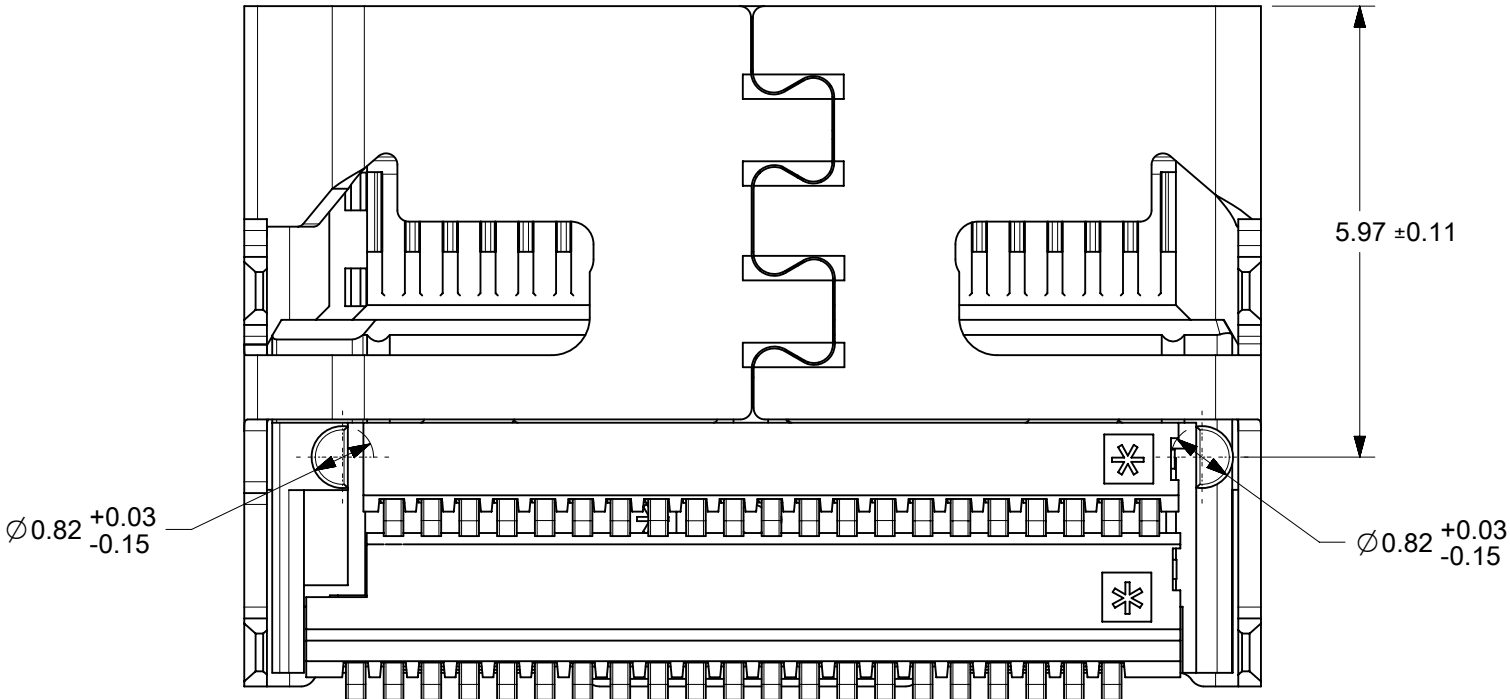
SEE NOTE #1

MX YYDDD

EXTERNAL

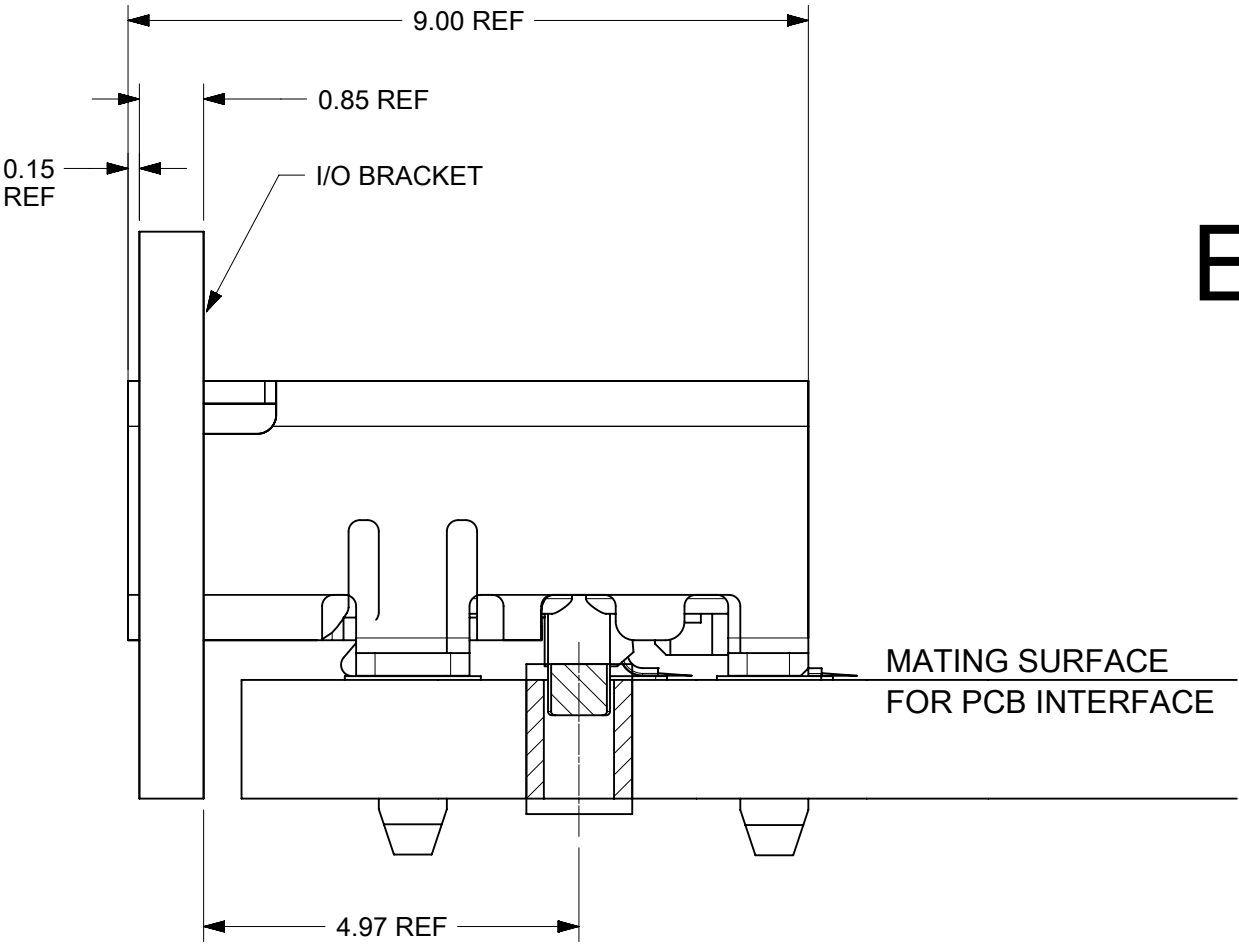
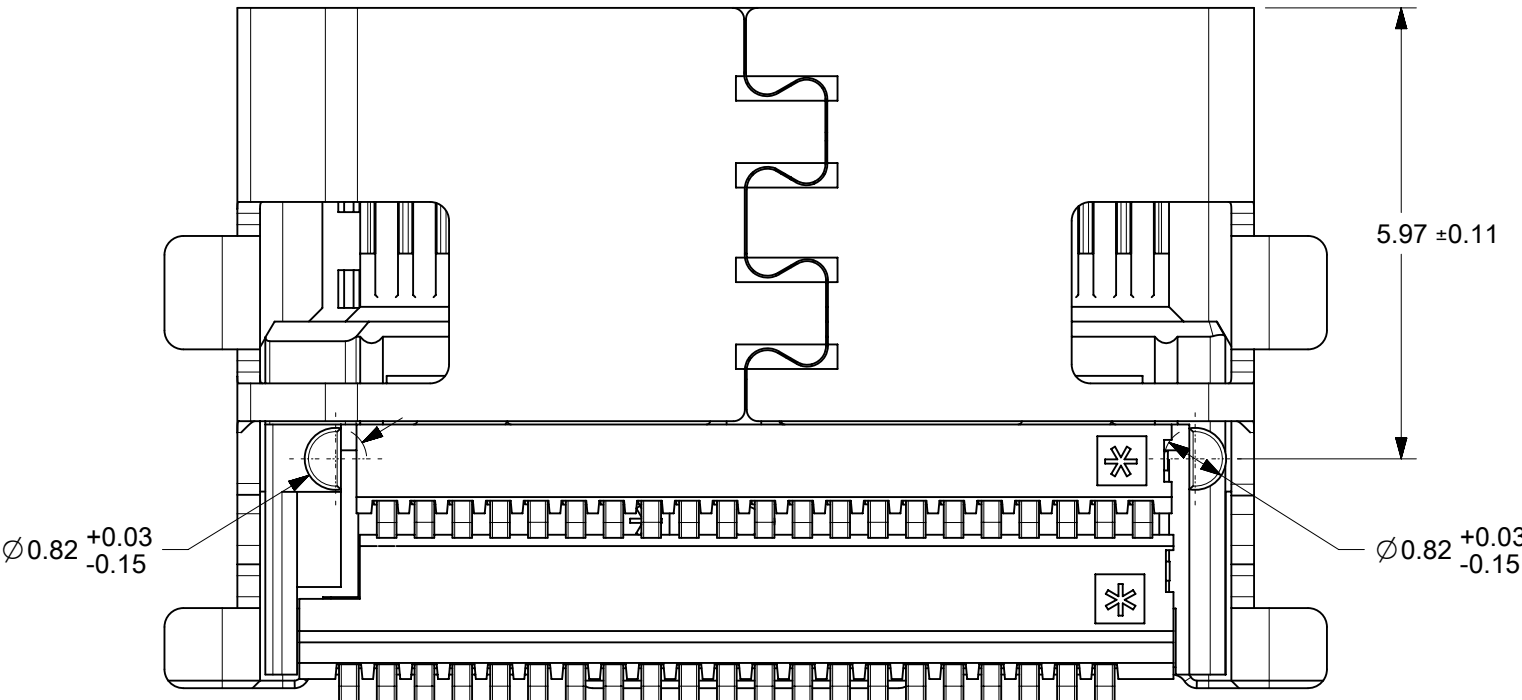
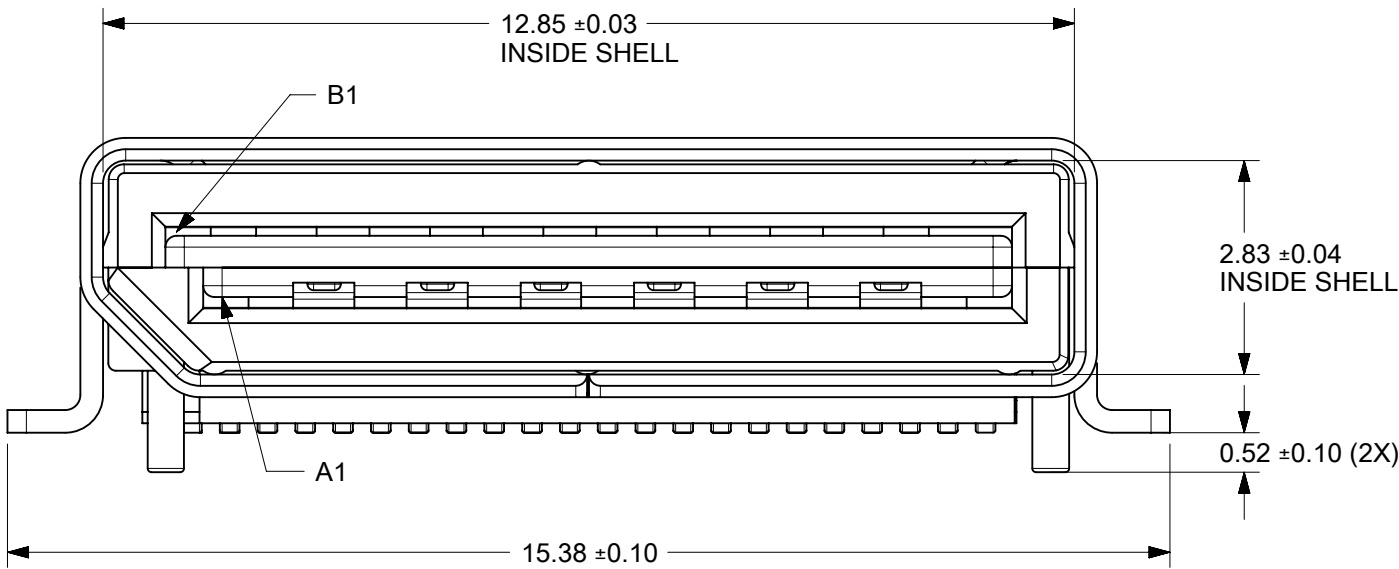
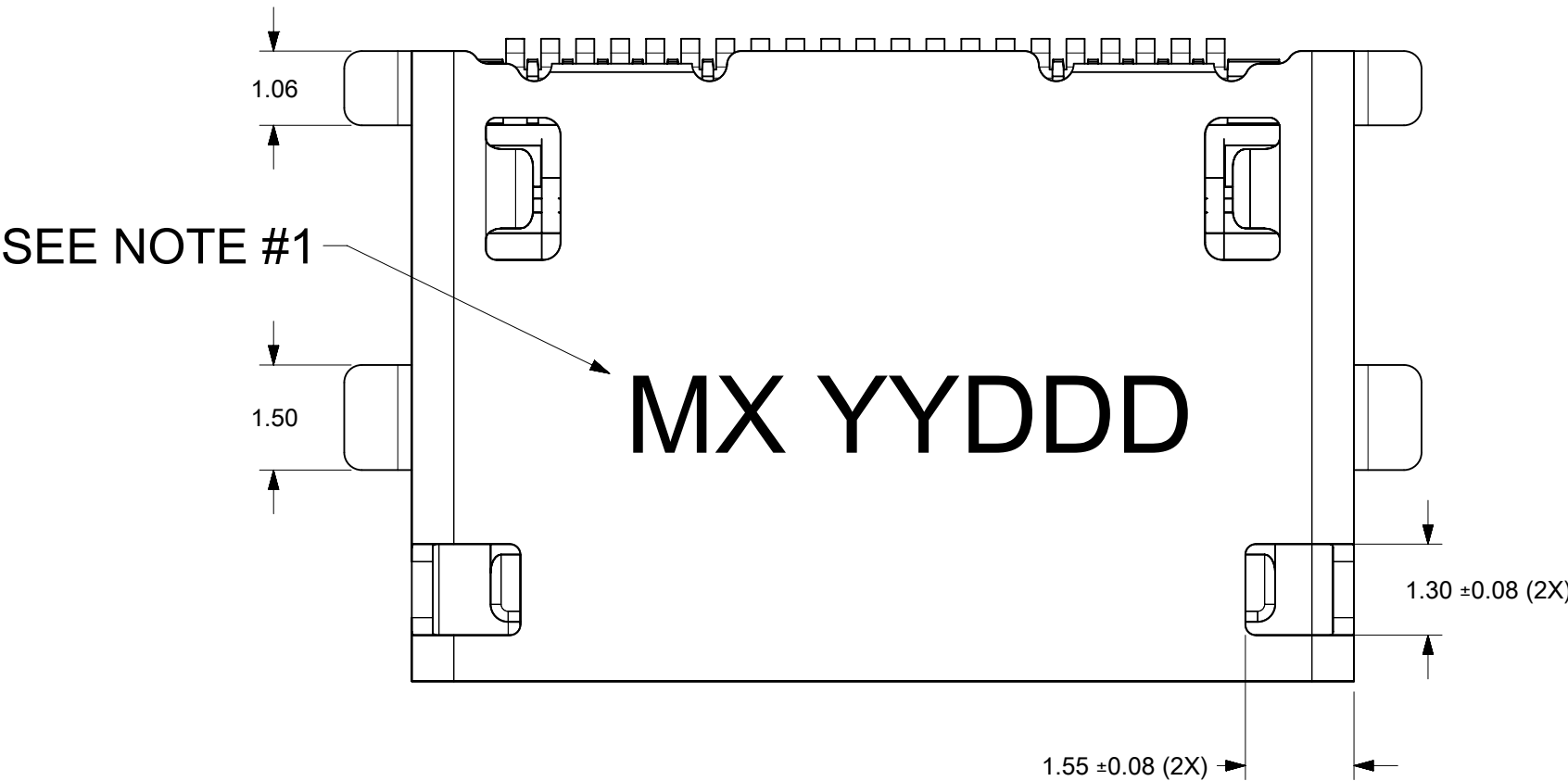


- NOTES:
1. MANUFACTURED DATE CODE (JULIAN CALENDAR)
MX YYDDD
DAY OF THE YEAR
LAST TWO DIGITS OF THE YEAR
MOLEX
2. SOLDER TAIL COPLANARITY 0.10 MAX

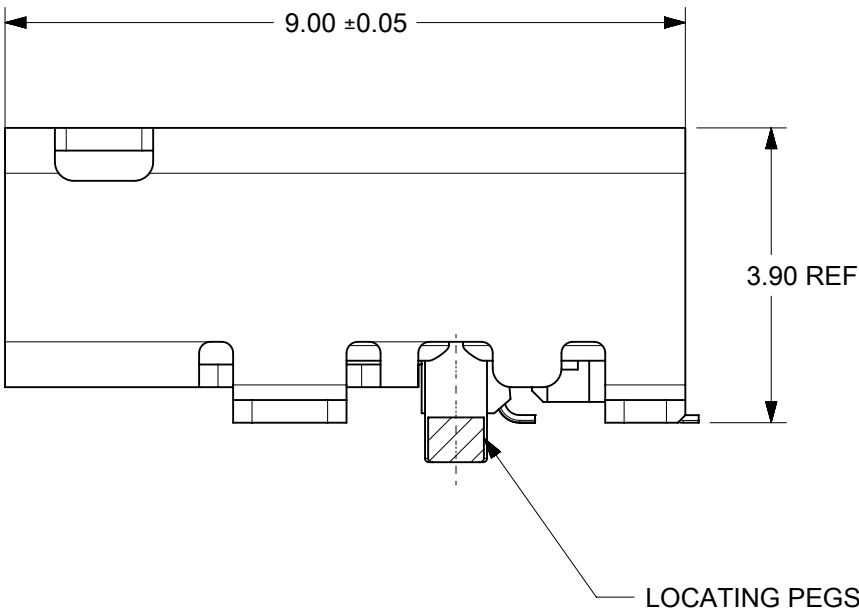


FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
 = 0  = 0  = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC: EC NO: 701025 DRWN: ABELD2 2022/03/25 CHK'D: JKACHLIC 2022/03/31 APPR: JKACHLIC 2022/03/31 INITIAL REVISION: DRWN: MJANTELEZIO 2015/10/21 APPR: MBANAKIS 2015/11/09			molex NANO-PITCH I/O RIGHT ANGLE 4X							
	mm		10:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)														
ANGULAR TOL ± 0.5 °				PRODUCT CUSTOMER DRAWING											
4 PLACES		±						DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
3 PLACES		±						SD-171982-1000		PSD		001		J3	
2 PLACES		± 0.13													
1 PLACE		± 0.25													
0 PLACES		±		MATERIAL NUMBER		CUSTOMER				SHEET NUMBER					
DIVISIONAL SYMBOLS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		GENERAL MARKET				
					C-SIZE		171982		2 OF 6						

42 CIRCUIT SMT ASSEMBLY



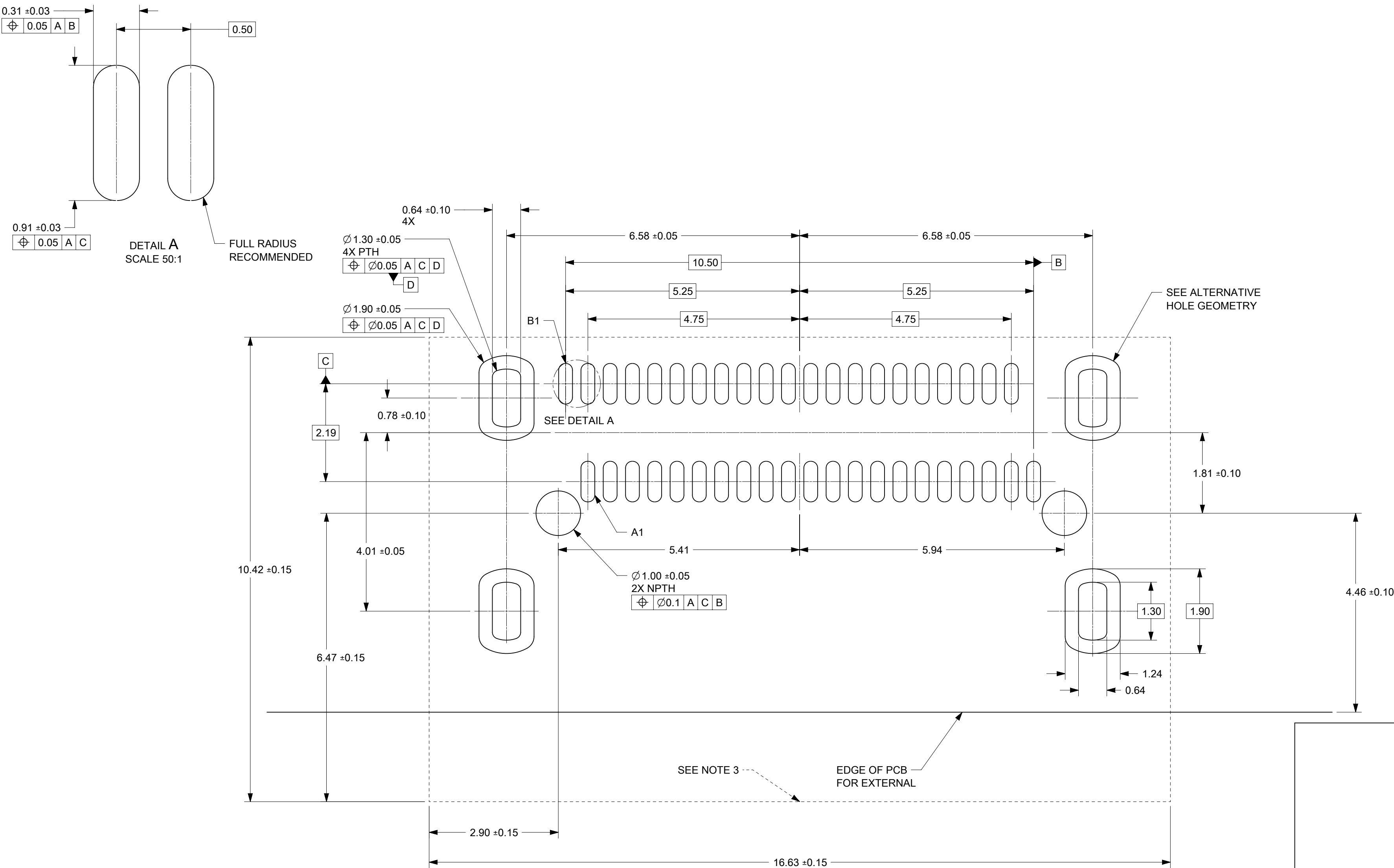
EXTERNAL



- NOTES:
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FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
A = 0 E = 0 P = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC:			molex NANO-PITCH I/O RIGHT ANGLE 4X								
	mm		10:1													
	GENERAL TOLERANCES (UNLESS SPECIFIED)		ANGULAR TOL ± 0.5 °													
4 PLACES					±		EC NO: 701025		2022/03/25							
DIVISIONAL SYMBOLS	3 PLACES		±		DRWN: ABELD2		2022/03/31		PRODUCT CUSTOMER DRAWING							
	2 PLACES		± 0.13		CHK'D: JKACHLIC		2022/03/31									
	1 PLACE		± 0.25		APPR: JKACHLIC		2022/03/31		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
	0 PLACES		±		INITIAL REVISION:				SD-171982-1000		PSD		001		J3	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES									
					C-SIZE		171982		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
										GENERAL MARKET		3 OF 6				

42 CIRCUIT TAIL RECOMMENDED FOOTPRINT



- NOTES:
1. MINIMUM RECOMMENDED SPACING BETWEEN ADJACENT CONNECTOR IS 19.05mm
 2. MINIMUM RECOMMENDED PCB THICKNESS: 1.57mm
 3. CONNECTOR KEEP OUT AREA
 4. DATUM -A- ESTABLISHED FROM TOP SURFACE OF PCB

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																	
	DIMENSION UNITS		SCALE		CURRENT REV DESC:			molex										
	mm		15:1															
	GENERAL TOLERANCES (UNLESS SPECIFIED)					NANO-PITCH I/O RIGHT ANGLE 4X												
ANGULAR TOL ± 0.5 °																		
DIVISIONAL SYMBOLS	4 PLACES		±		EC NO: 701025			PRODUCT CUSTOMER DRAWING										
	3 PLACES		±		DRWN: ABELD2 2022/03/25													
	2 PLACES		±		CHK'D: JKACHLIC 2022/03/31													
	1 PLACE		± 0.13		APPR: JKACHLIC 2022/03/31													
	0 PLACES		±		INITIAL REVISION:													
					DRWN: M.JANTELEZIO 2015/10/21													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
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molex

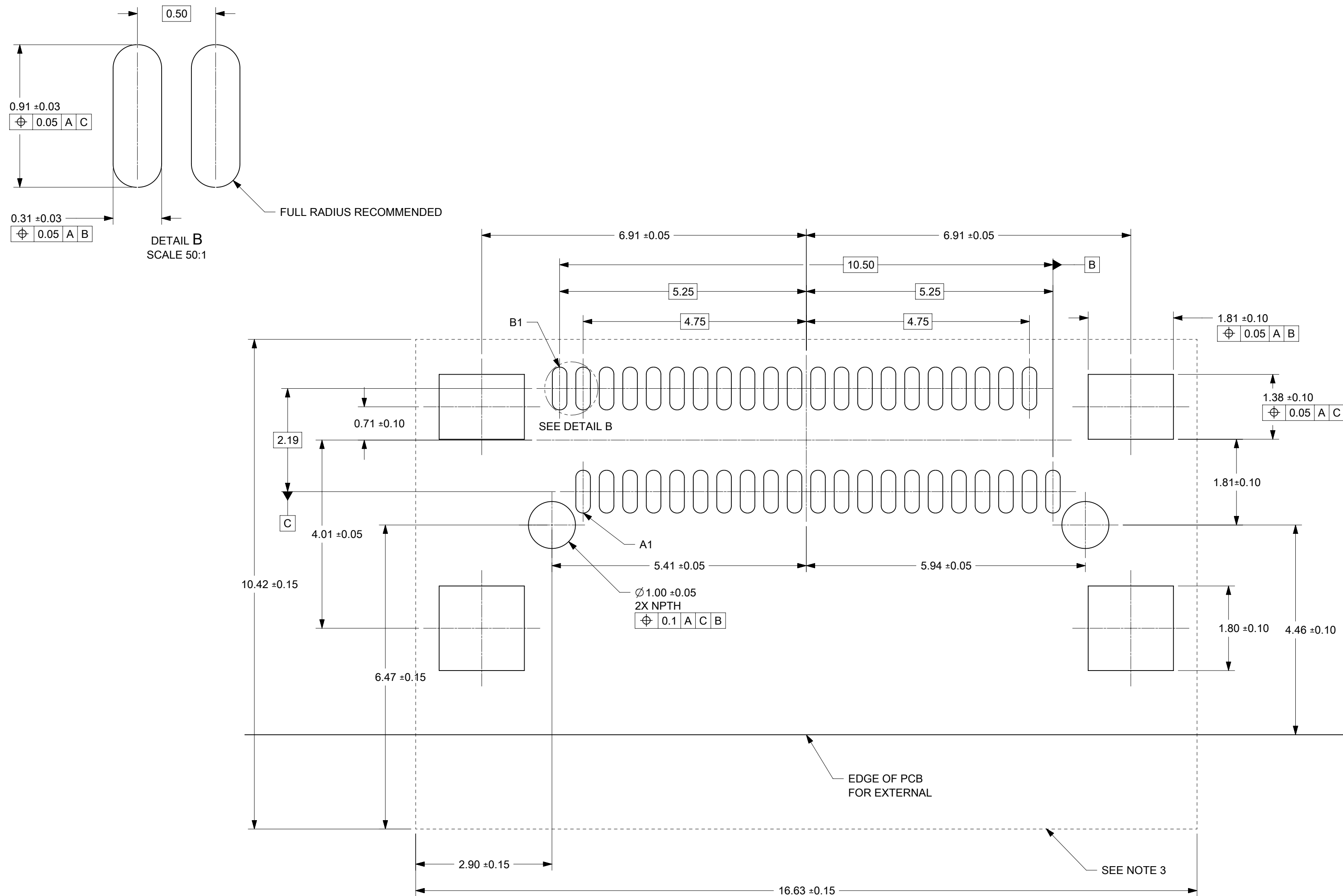
NANO-PITCH I/O
RIGHT ANGLE 4X

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-171982-1000	PSD	001	J3

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	4 OF 6

42 CIRCUIT SMT RECOMMENDED FOOTPRINT



NOTES:

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	DIMENSION UNITS		SCALE		CURRENT REV DESC:			molex				
	mm		15:1									
	GENERAL TOLERANCES (UNLESS SPECIFIED)											
DIVISIONAL SYMBOLS	ANGULAR TOL		±	0.5 °		EC NO: 701025 DRWN: ABELD22022/03/25 CHK'D: JKACHLIC2022/03/31 APPR: JKACHLIC2022/03/31			NANO-PITCH I/O RIGHT ANGLE 4X			
	4 PLACES		±									
	3 PLACES		±									
	2 PLACES		±	0.13		INITIAL REVISION: DRWN: MJANTELEZIO2015/10/21 APPR: MBANAKIS2015/11/09			PRODUCT CUSTOMER DRAWING			
	1 PLACE		±	0.25								
	0 PLACES		±									
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE	DOC PART
				C-SIZE		171982		SD-171982-1000		PSD	001	J3
								MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
										GENERAL MARKET		5 OF 6

molex

NANO-PITCH I/O
RIGHT ANGLE 4X

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER
SD-171982-1000

DOC TYPE
PSD

DOC PART
001

REVISION
J3

MATERIAL NUMBER
171982

CUSTOMER
GENERAL MARKET

SHEET NUMBER
5 OF 6

DOCUMENT STATUS	P1	RELEASE DATE	2022/03/31 04:19:28
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